

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1192887

Luminaire Tested: 24PT-40-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-40-PB1-L940
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

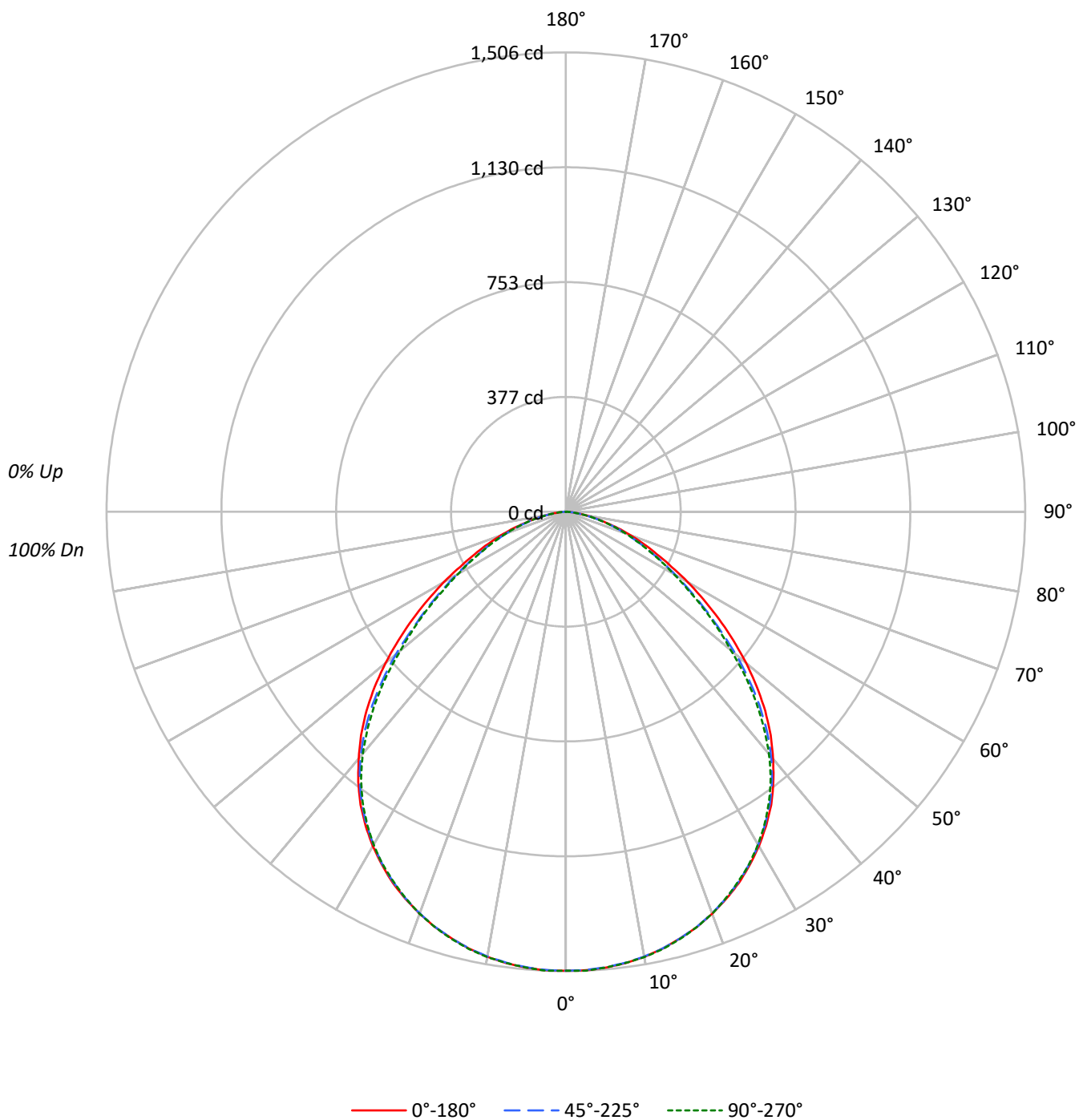
Lumens per Lamp: N/A
Luminaire Lumens: 3573.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64		
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	55		
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34		
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2152	2152	2152
5°	2153	2152	2153
10°	2152	2150	2152
15°	2144	2144	2146
20°	2134	2132	2134
25°	2118	2113	2111
30°	2090	2083	2081
35°	2049	2036	2028
40°	1973	1954	1934
45°	1870	1815	1783
50°	1715	1619	1573
55°	1526	1391	1370
60°	1322	1188	1168
65°	1115	1019	1007
70°	947	872	877
75°	743	711	717
80°	542	532	537
85°	330	350	350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1870 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	4.0
10°-20°	408.7	11.4
20°-30°	616.9	17.3
30°-40°	727.4	20.4
40°-50°	691.2	19.3
50°-60°	510.0	14.3
60°-70°	307.8	8.6
70°-80°	140.9	3.9
80°-90°	27.5	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1168.1	32.7
0°-40°	1895.6	53.1
0°-60°	3096.8	86.7
0°-90°	3573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1500	1500	1499	1498	1500	143
15°	1448	1448	1448	1447	1450	409
25°	1342	1342	1339	1337	1338	618
35°	1173	1172	1166	1162	1162	731
45°	924	918	897	885	882	710
55°	612	587	558	545	549	548
65°	330	319	301	295	298	331
75°	134	132	129	127	130	147
85°	20	21	21	21	21	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1504.7	1504.7	1504.7	1504.7	1504.7
2.5°	1504.7	1504.7	1503.5	1502.3	1505.9
5°	1499.9	1500.5	1498.8	1497.6	1499.9
7.5°	1492.8	1492.8	1491.0	1489.9	1492.2
10°	1481.6	1481.6	1480.4	1479.8	1482.2
12.5°	1466.7	1467.3	1466.2	1465.6	1468.5
15°	1447.8	1448.4	1447.8	1447.2	1449.6
17.5°	1427.6	1428.2	1427.0	1425.3	1427.6
20°	1402.2	1403.3	1401.0	1399.8	1402.2
22.5°	1373.7	1374.9	1372.5	1371.3	1371.3
25°	1342.3	1341.7	1339.3	1337.0	1337.6
27.5°	1305.6	1306.1	1302.6	1300.2	1302.0
30°	1265.8	1266.4	1261.1	1259.3	1259.9
32.5°	1221.4	1220.8	1216.1	1213.1	1213.1
35°	1173.4	1171.6	1166.3	1161.5	1161.5
37.5°	1117.7	1116.5	1110.6	1104.7	1102.9
40°	1056.7	1055.5	1046.6	1038.9	1035.9
42.5°	993.8	990.3	976.1	964.2	961.2
45°	924.5	918.0	897.2	884.8	881.8
47.5°	849.8	841.5	813.1	798.9	797.7
50°	771.0	756.2	727.7	709.4	707.0
52.5°	691.6	670.3	637.7	624.0	627.6
55°	612.2	587.3	557.7	544.6	549.4
57.5°	535.1	509.1	483.6	470.5	473.5
60°	462.2	439.7	415.4	404.8	408.3
62.5°	390.5	376.3	355.6	346.1	350.8
65°	329.5	318.8	301.1	295.1	297.5
67.5°	276.2	267.9	252.5	247.7	251.3
70°	226.4	220.5	208.6	206.8	209.8
72.5°	179.0	175.4	168.9	165.9	167.7
75°	134.5	132.2	128.6	126.8	129.8
77.5°	97.2	95.4	94.2	94.2	94.8
80°	65.8	65.2	64.6	64.0	65.2
82.5°	40.3	40.3	40.3	40.3	40.9
85°	20.1	20.7	21.3	20.7	21.3
87.5°	6.5	7.1	7.7	7.7	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)